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(54) Title: **32449, A NOVEL HUMAN TRANSPORTER AND USES THEREOF**

(57) Abstract: The invention provides isolated nucleic acid molecules, designated MTP nucleic acid molecules, which encode novel MTP-related transporter molecules. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing MTP nucleic acid molecules, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which an MTP gene has been introduced or disrupted. The invention still further provides isolated MTP proteins, fusion proteins, antigenic peptides and anti-MTP antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

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